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KRYLOVA, O. A.; NIKISHINA, T. M.; SHILYAGIJA, N. N.; VOLOKHOV, A. A. (Hoskva)

K voprosu o stanovlenii i razvitii retikulyarnoy formatsii stvola : golovnogo mozga v ontogeneze.

report submitted for the First Moscow Conference on Reticular Formation, Moscow, 22-26 March 1960.

KRYLOVA, O. I.

"Characteristics of the clinic of typhoid-paratyphoid diseases in syntomycin treatment."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

SOKOLOVSKAYA, Ya.I.; KOZLOVA, A.A.; SMIRNOVA, S.A.; KRYLOVA, O.M.; GLAZKOVA, T.S.; ALEKSANDROVA, V.R.; KAPETANAKI, K.G.

Viacheslav Viktorovich Kosmachevskii; on his 75th birthday. Zhur. mikrobiol., epid.i immun. 33 no.4:154-155 Ap '62. (MIRA 15:10) (KOSMACHEVSKII, VIACHESLAV VIKTOROVICH, 1887-)

KRYLOVA, O.M.

Changes in the sensitivity of typho-paratyphoid pathogens during treatment with some antibiotics. Trudy ISGMI 46:169-177 '59. (MIRA 13:11)

1. Kafedra infektsionnykh bolezney Leningradskogo sanitarnogigiyenicheskogo meditsinskogo instituta (sav. kafedroy - prof. V.V. Kosmachevskiy i kafedra mikrobiologii (sav. kafedroy prof. M.N.Fisher).
(SALMONELLA TYPHOSA)

(SALMONELLA PARATYPHI) (ANTIBIOTICS)

CIA-RDP86-00513R000826910001-4" APPROVED FOR RELEASE: 04/03/2001

KRYLOVA, O.M.

Treatment of typhoid fever with synthomycin. Trudy ISGMI 46:178-184 '69. (MIRA 13:11)

1. Kafedra infektsionnykh bolezney Leningradskogo sanitarnogigiyenicheskogo meditsinskogo instituta (sav. kafedroy - prof. V.V.Kosmachevskiy). (CHLOROMYCETIN) (TYPHOID FEVER)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000826910001-4"

KRYLOVA, O.M. The same of the same of the same

Effectiveness of levomycetin in the treatment of typhoid and paratyphoid diseases. Zdrav. Bel. 5 no.5:9-11 My 159

1. Kafedra infektsionnykh bolezney Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zaveduyushchiy kafedry - prof. V.V. Kosmachevskiy)na base bol'nitsy im. S.P. Botkina (glavnyy vrach.M.M. Figurina).
(TYPHOID FEVER) (PARATYPHOID FEVER)

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MAKAHOVA, Yo.I.; KRYLOVA, O.M.

Use of Galperin's method in diagnosing infectious diseases. Zhur.mikrobiol.epid. 1 irmun. 30 no.5:140 My 159.

(HIRA 12:9)

1. Iz Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

(DIAGNOSIS)

KRYLOVA, O.H.

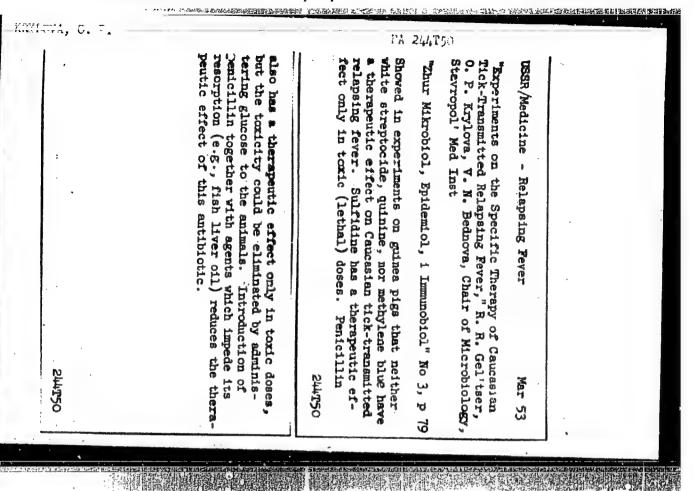
Urine color sedimentation test in typhoid and paratyphoid diseases treated with antibiotics. Kaz.med.zhur. 40 no.3: 35-38 Ny-Je 159. (MIRA 12:11)

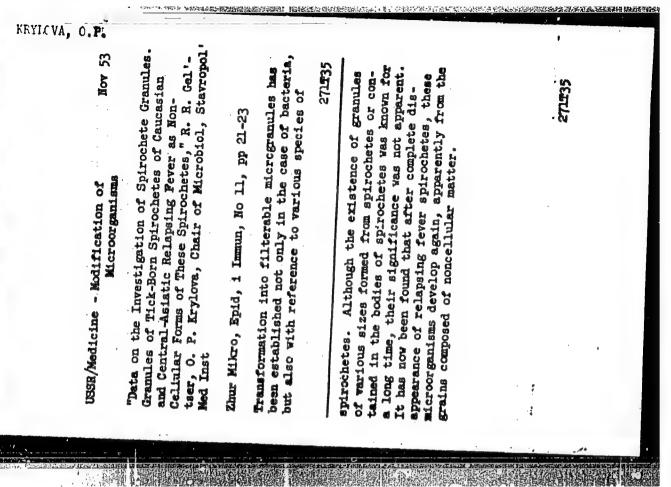
1. Is kliniki infektsionnykh bolesney (zav. - prof. V. V. Kosma-chevskiy) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta, na base bol'nitsy im. S. P. Botkina (glavvrach - H. H.

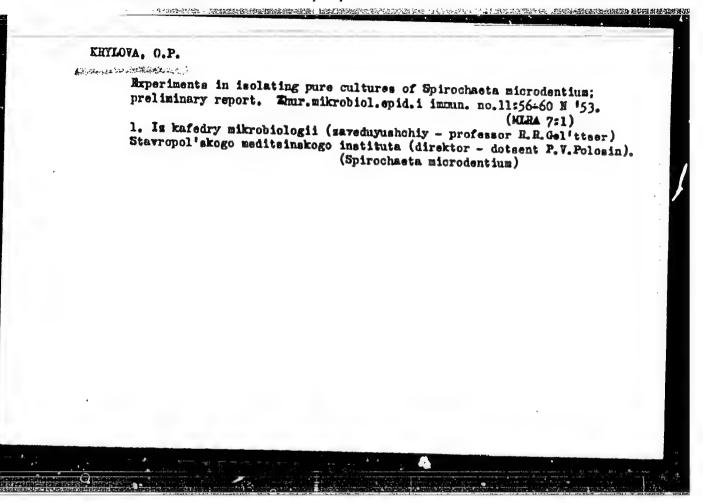
(URINE-ANALYSIS AND PATHOLOGY)
(TYPHOID YEVER)
(ANTIBIOTICS)

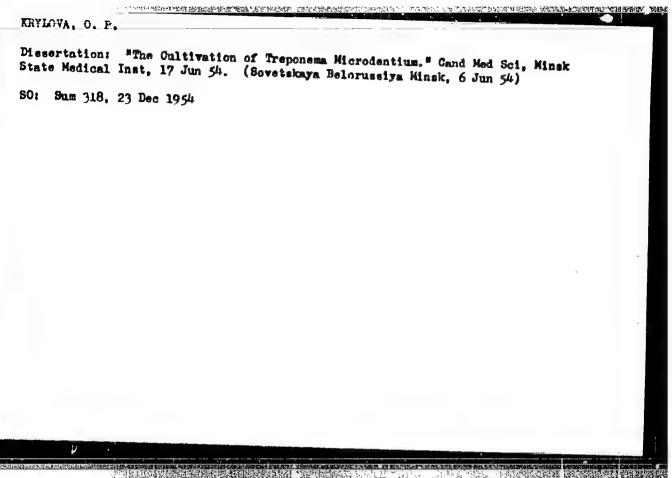
APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000826910001-4"

KRYLOVA, O. M., Cand Med Sci (diss) -- "The effect of antibiotics on the clinical manifestations of typhus-paratyphus infections". Leningrad, 1960. 21 pp (Min Health RSFSR, Leningrad Sanitary-Hygiene Med Inst), 300 copies (KL, No 14, 1960, 137)









USER/Microbiology - General Microbiology.

F-1

Abs Jour

: Ref Zhur - Biol., No 11, 1958, 47672

Author

Gol'tteor, R.R., Krylovo, O.P.

Inst Title

Materials on the Study of Spirochete Granules. Communication II. Some Conditions Resulting in the Appearance of Granules on the Tick-Borne Spirochetes of Recurrent

Typhoid Fever.

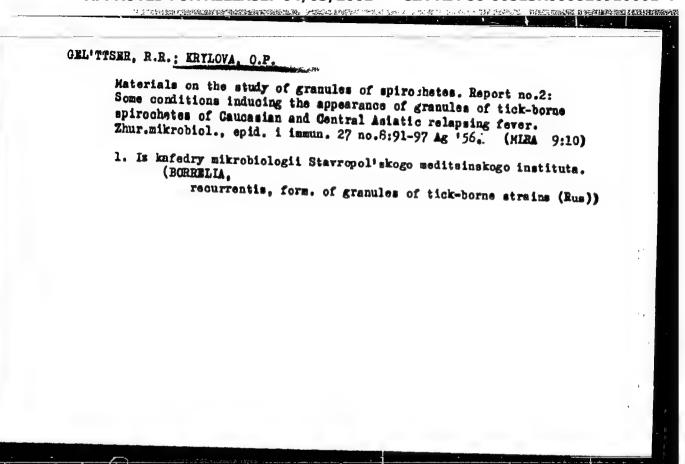
Orig Pub

Zh Mikrobiol. Epidemiol, i Immunobiol. No 8, 91-97 (1956).

Abstract

The appearance of granules in spirochetes, which the authors consider as generative, pre- or noncellular forms, from which coiled or cellular forms can develop on transplantation (ZhMZI, 11, 21-23 (1953)), is induced by 10% NaHCO₃ solution, 10% KU solution, and 10-50% glycerine solution, as well as by various dyes-methylene blue, gentian violet, acid and basic fuchsin, neutral red, and cosin / TN: it is not clear whother the appearance of

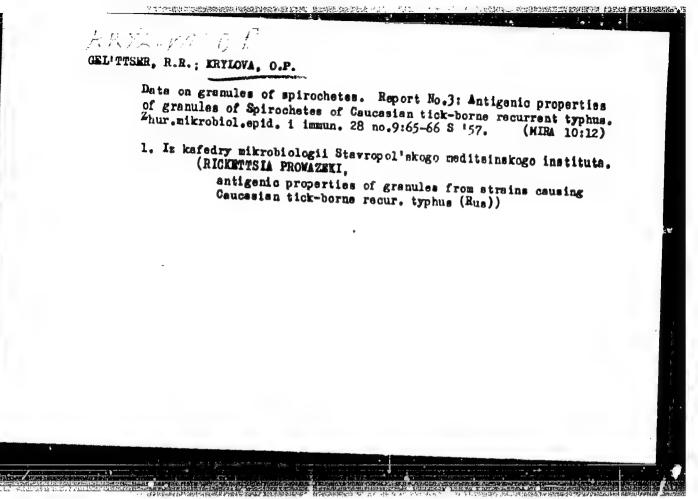
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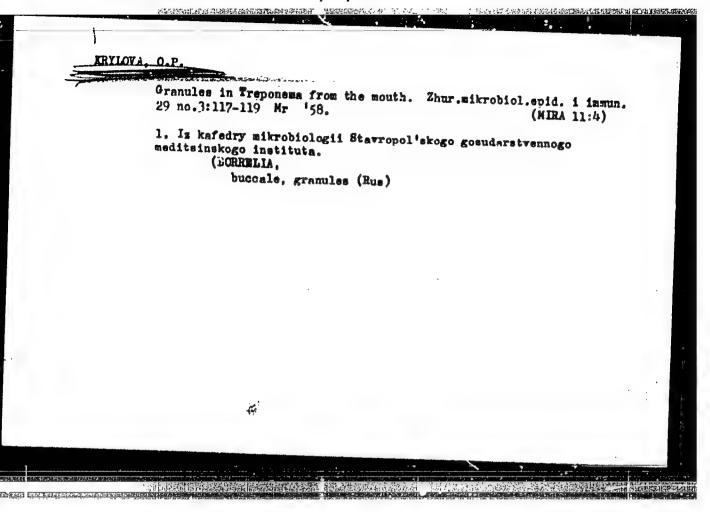


GNL'TTSER, R.R.; ERYLOVA, O.P.

Gultivation of different strains of tick-borne spirochetes of the Gaucasian and Gentral Asiatic forms of relapsing fover. Med.paras. i paras.bol.supplement to no.1:49 '57. (MIRA 11:1)

1. Is kafedry mikrohiologii Stavropol'skogo meditsinskogo instituta. (SPIROCHARTA)





KRYLOVA, O.P., dotsent

Further observations on the use of the flocculation reaction with the protein of cultured Treponema palifdum for sero-diagnosis of syphilis. Uch. zap. Stavr. gos. med. inst. 12:172-173 '63.

Observations on the cultivation of spirochetes of tickborne relapsing fever of the Caucasian and Central Asian forms. Itid.:174-175 (MIRA 17:9)

l. Kafedra mikrobiologii (zav. prof. R.R. Gel'tser) Stavropol'-skogo gosudarstvennogo meditsinskogo instituta.

KRYLOVA, O.P.

Observations on the cultivation of the spirochete of the Caucasian and Contral Asian forms of tick-borne relapsing fover. Med. paraz. i paraz. bol. 32 no.61659-660 N-D '63 (MIRA 18:1)

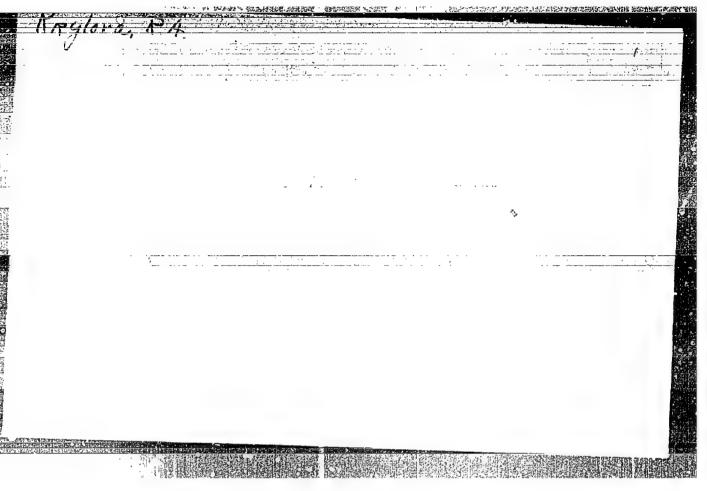
1. Iz kafedry mikrobiologii Stavropol'skogo meditsinskogo instituta.

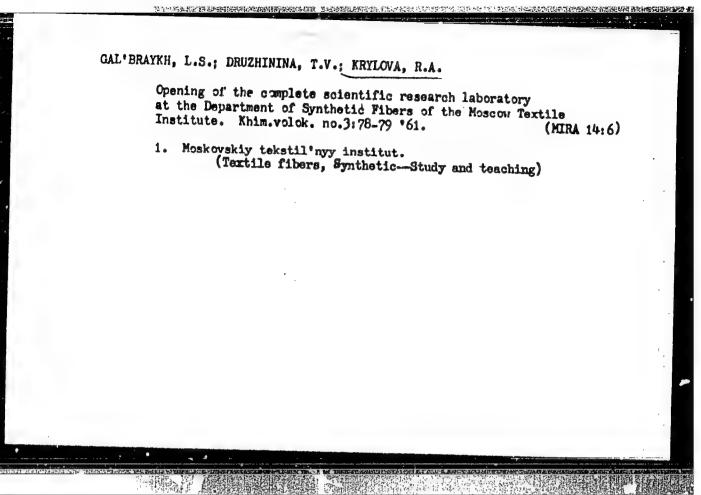
KONKIN, A.A.; KRYLOVA, R.A.; ROGOVIN, Z.A.

· 以为4.4%的经验的现在,现在我们就是是是不是

Effect of intermolecular interaction on the resistance of the glucoside bond in a cellulose macromolecule, to the action of hydrolysing reagents. Koll. zhur. 15 no.4:246-251 53. (MLRA 6:8)

1. Mozkovskiy tekstil'nyy institut. Kafedra iskusstvennogo volokna. (Cellulose) (Hydrolysis)





KRYLOVA, R.G.

20-6-19/48

AUTHORS:

Golova, O. P., Pakhomor, A. M., Andriyevskaya, Ye. A., Krylova, R.G.

TITLE:

On the Machanism of the Thermal Decomposition of Cellulose in a Vacuum and on the Formation of 1,6-Anhydre-1,5-Clucopyranose, a Levoglucosan (O mekhanizme termicheskogo raspada tsellyulozy v vakuume 1 Obrazovanii

1,6-angidro-1,5-glyukopiranozy - levoglyukozana)

PERIODICAL:

Doklady AN SSSR, 1957, Vol. 115, Nr 6, pp. 1122-1125 (USSR).

ABSTRACT:

Hitherto there did not exist an unequivocal explanation for the formation mechanism of the substances last-mentioned in the title in thermal cellulose decompositions in a vacuum. It is true that this substance has an elementary composition of a structural-unit-member of cellulose, but it has a different hydrocyl position (at C_h instead of C_h) and possesses 2 crygen bridges instead of one 1-5, A formation mechanism of levoglucosan was suggested by Irvine and Oldham, namely through an intermediate stage of the cellulose hydrolysis as far as glucose and then a dehydration of the latter. Karrer confirmed this hypothesis by high levoglucosan yields from β - d-glucose. The above-mentioned reaction represents a special case of the thermal depolymerization of polysaccharides as far as the monomer. The authors thought it necessary to perform such investigations which are suitable to furnish data for the solution of principal problems. Such principal

Card 1/3

On the Mechanism of the Thermal Decomposition of Cellulose in a Vacuum and on the Formation of 1,6-Anhydro-1,6-Glucopyranose, a Levoglucosan.

problems are: 1) To attain a constant yield of levoglucosan in this connection, 2) the possibility of the formation of levoglucosan from β - d-glucose, 3) the incluence exerted by the physical structure (compartness of the packing) of cellulose on its thermal decomposition and 5) the influence of the degree of polymerization. The following conclusions were drawn from the results of the work: 1) The small yield of levoglucosan from the thermal decomposition of an easily hydrolyzable cellulose, the glucose and the cellobiose with admirture of glucose, disproves the possibility of the existence of intermediate stages of the glucose-formation and the glucose-dehydration as far as levoglucosan, as an intermediate stage in the formation of levoglucosan from cellulose. These facts do not confirm the conception, spread in publications, on the mechnism of a hydrolytic dehydration-formation of levoglucosan. 2) The substantial yield in the formation of levoglucosan (55-60%) is only attained when a certain chain-length of the cellulose macromolecule exists. Moreover a more compact cellulose-structure (packing) is necessary for this. The formation process of levoglucosan includes

Card 2/3

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000826910001-4"

On the Mechanism of the Thermal Decomposition of Cellulose in a 20-6-19/48. Vacuum and on the Formation of 1,6-Anhydro-1,5-Glucopyranose, a Levoglucosan.

the decomposition of the cellulose molecule on the $1, l_1-\beta$ -glucose bonds, as well as a subsequent isomerization of the resulting chain fragment into a levoglucosan molecule. The chief conclusion can be extended to the thermal decomposition of other polysaccharides, and probably also to other types of polymers. There are I figure, 2 tables and 1 Slavic reference.

ASSOCIATION: Institute for Organic Chemistry AN USSR imeni N. D. Zelinskiy and Forestry Institute AN USSR (Institut organicheskoy khimii imeni N. D. Zelinskogo Akademii nauk - Institut lesa Akademii nauk SSSR.).

PRESENTED: By I. N. Nazarov, Academician, June 7, 1957

AVAILABLE: Library of Congress

Card 3/3

KRYLOUR, R.G.

AUTHORS:

Golova, O. P., and Krylova, R. G.

20-3-19/46

TITLE:

Thermal Decomposition of Cellulose and its Structure (Termicheskiy raspad tsellyulozy i yeye stroyeniye).

PERIODICAL:

Doklady AN SSSR, 1957, Vol. 116, Nr 3, pp. 419-421 (USSR)

ABSTRACT:

The authors derived new knowledges from the study of the decomposition of cellulose which lead to a series of suppositions concerning the mechanism of the decomposition and the structure of cellulose. This was achieved by admitting the reagent to the compositions in more solidified parts. The used material was cotton cellulose prepared in mild conditions according to Corey and Grey. Its degree of initial polymerization was 2800; and 1500 (Sample number 1 and 2), as well as 700 (sample number 3 obtained from sample number 2 by means of a light hydrolysis). The investigation comprised 1) - Performance of the decomposition, 2) - Production and analysis of its products, 3) - determination of the characteristics of cellulose even after its exposure to heating during a certain period. The methodology

is described. A temperature of 300°C which permits a considerable yield of levoglucosan with a sufficiently

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Thermal Decomposition of Cellulose and its Structure 20-3-19/46

decelerated process was determined. The results are summarized in table 1. In the case of thermal decomposition of cellulose the degree of polymerization first declines rapidly. The course taken by the curve, varies in each case according to the individual cellulose preparation. After 8 to 10 minutes, a certain critical point in attained in which all 3 curves coincide. With that the degree of polymerization attains a constant value of 200, according to size. With the decomposition continued, only the quantity of cellulose decreases, whereas the nelecular weight of the remainder remains stable. Curve 4 describes the dependence of the degree of decomposition of the heating up period That degree attains 8 to 4 % at the critical point. It is proportional to the heating up period with all samples. Curves 5 and 6, - dependence of the yiels of leveglucoan on the heating up period, - show that after the critical value of the period (degree of polymerization approx. 200) has been attained, the yield of leveglucean increases rapidly for subsequently attaining a constant value. Based upon these new knowledges, the following m chamism of decomposition can be imagined; Chain molecules are toru and fragments with a degree of polymerication of approx. 200 are

Card 2/4

Thermal Decomposition of Cellulose and its Structure 20-3-19/46

accumulated up to the critical point. This efficies that the decomposition takes place first at the periodically placed sections. The dehydration now taking place chiefly, leads to a radical change of the elementary member and to the formation of light volatile products. In the second period (after having exceeded the critical point), the thermal decomposition takes the course of a precess of successive chanical conversion of members of the cellulose molecule fragment by splitting up of the elementary member, which, due to an interior isomerization converts into a monomeric compound, viz.: Levoglucogan, These facts allow the conclusion that the splitting up of the levoglucosan molecule from the chain molecule produces an active center which in return produces an inner icomerization of the following member and the formation of levoglucosan. This process takes place as long as all fragment members are decomposed. The process generated in any chair molecule results thus in the complete decomposition of the molecule. The other molecules remain unchanged in this case. These results prove a periodical structure of the cotton cellulose molecule of sections of various physical structure which

Card 3/4

Thermal Decomposition of Cellulose and its Structure 20-3-19/46

does not only determine the chemical, thernal and physical behavior of the macro-sample of the cellulose, but also the individual molecule of the latter.

There are 1 figure, and 2 references,) of which is Slavic.

ASSOCIATION: Institute of Silviculture AN USSR (Institut less Akademii nauk SSSR)

PRESENTED: June 29, 1957, by V. A. Kargin, Academician

SUBMITTED: June 29, 1957

AVAILABLE: Library of Congress

Card 4/4

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GOLOVA, O.P.; KRYLOVA, R.G.; NIKOLAYEVA, I.I.

CONTRACTOR CONTRACTOR

Mechanism of the thermal decomposition of cellulose in a vacuum.

Part 1: Comparative study of the thermal decomposition of cotton cellulose and cellulose hydrate. Vysokom. soed. 1 no.9:1295-1308 S 159. (MIRA 13:3)

1. Institut lesa AN SSSR. (Cellulose)

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5(4) AUTHORS: Gatovskaya, T. V., Golova, O. P., SOV/76-33-5-59/44 Krylova, R. G., Kargin, V. A. TITLE: Investigation of the Sorption Properties of Cellulose in the Process of Its Thermal Disintegration (Issleacvaniye sorbtsionnykh svoystv tsellyulozy v protsesse yeye termicheskogo raspada) PERIODICAL: Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 6, pp 1418-1421 ABSTRACT: The experimental results of a previous paper (Ref 1) point to the fact that the process of thermal disintegration of cellulose (I) in the course of 90 minutes can be divided into two stages with different peculiarities (Table 1). It is assumed that the first reaction stage proceeds in less densely packed (I), whereas in the second reaction stage a higher packing density prevails and the yield of levogiucosane is proportional to this density. To investigate the packing density, a method with the use of sorption isothermals was applied to the present case. The sorption experiments were Card 1/3 made on one of the investigation samples (Ref i) of the cellu-

Investigation of the Sorption Properties of Callulose SOY/76-33-5-39/44 in the Process of Its Thermal Disintegration

lose SP-700 which was heated to 300° for 10, 20, 40 and 90 minutes at 1.10⁻⁵ mm Hg. The sorption of the steam by (I) decreases with the time of treatment of (I) to a certain value (20 minutes time of treatment) and then remains constant. This points to a condensation of the (I)-packing by a reduction of its polymerization degree (Ref 5). In the first stage of the thermal (I)-disintegration characterized by a sudden rise in the lever level ucosane yield, the maximum condensation of the molecule packing of (I) is attained. In a further disintegration of the basic mass of (I), these values remain constant. Thus, the experimental results confirm the previous statements (Refs 6, 7) that the formation of lever level ucosane is considerably influenced by the thermal treatment of (I), i. e. its packing density. There are 2 figures, 2 tables, and 7 references,

ASSOCIATION:

Fiziko-khimicheskiy institut im. L. Ya. Karpeva, Moskva; Akademiya nauk SSSR, Institut lesa (Physico-chemical Institute imeni L. Ya. Karpov Moscow; Academy of Sciences of the USSR, Forestry Institute)

Card 2/3

Investigation of the Sorption Properties of Cellulose SOV/76-33-6-59/44 in the Process of Its Thermal Disintegration

SUBMITTED: December 28, 1957

Card 3/3

GOLOVA, O.P.; ERYLOVA, R.G.

Thermal depolymerisation of cellulose, Dokl. AN SSSR 135 no.6:1351-1394 D '60. (MIRA 13:12)

1. Institut vysokomolekulyarnykh soyedineniy Akademii nauk SSSR.

Predstavleno akademikom V.A. Earginym.

(Cellulose)

KOVALUSKIY, V.V., prof.; LETHEOVA, S.V.; KRYLOVA, W.V.; PARMEROV, V.G.

Cobalt in fish culture, biogonic migration of chemical elements
impondy. Trioda 54 no.5:69-70 My 165.

(MIRA 18:5)

1. Institut geokhimii i apaliticheckoy khimii im. V.I. Vernadskogo
AN SSSR (Meskva).

MRYLOVA, S.I. (Leningrad) Decembrists and their relation to problems of medical care of soldiers and the civil population as revealed by P.I.Pestel's work, "Russian Truth". Sov. zdrav. 20 no.10:68-71 '61. (MIPA 14:9) (PUBLIC HEALTH) (DECFMERISTS)

AFFTC/ASD/ESD-3/APGC/SSD ENT(1)/FCC(w)/ES(v)/BDS 5/0033/63/040/003/0514/0522 L 11108-63 Pi-4/Po-4/Pq-4 ACCESSION NR: AP3001244 AUTHOR: Divari, N. B.; Kry*lova, S. N. TITLE: Photoelectric observations of zodiecal light at a high-altitude station SOURCE: Astronomicheskiy zhurnal, v. 40, no. 3, 1963, 514-522 TOPIC TAGS: zodiacal light, atmospheric optics, photometry ABSTRACT: Observations of modiacal light made with violet and green filters at the Tion-Shan station (3000 r bove sea level) by means of a specially designed photoelectric photometer, reviewed. The following formula was used to determine extraterrestrial brightness: + R(b, z, p) + ZL(β , λ)(p + 0.02) $I_{obs} = A(z) + L(b)p$ where $\Lambda(z)$ is the atmospheric component of night singlow; L(b) is the stellar component, i.e., the sky brightness caused by stars and not resolved by the photometer; R(b, z, p) is the light of these stars vacattered by the terrestrial atmosphere; and p is the coefficient of atmospheric transparency in the spectral region used. Increasing the coefficient of transparency by 0.02 for acciacal Card 1/2

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ACCESSION NR: AP3001244

light accounts for scattering by the terrestrial atmosphere. Brightness variations along and perpendicular to the ecliptic are given in the form of functional dependences. The mean isophotes in the violet and green are seen to correspond to the conical configuration of the zodiacal light. The axis of the zodiacal light is close to the ecliptic but somewhat north of it in the case of small elongations of the isophotal peaks and south of it in the case of large elongations. The color index of zodiacal light in the B-V system was found to of the sun. Since no systematic degrees of the color index with increased ecliptical latitude is observed, it is concluded that zodiacal twilight exerts along the almucantar is found to be independent of asimuth. Orig. art. has:

ASSOCIATION: Odosskiy politekhnicheckiy institut (Odensa Polytochnic Institute)

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ACC HR: AP6019304 SOURCE CODE: UR/0203/65/005/004/0777/0780	
AUTHOR: Divari, N. B.; Krylova, S. N.	
ORG: Odessa Polytechnic Institute (Odesskiv politekhnichenkiv institut)	
TITLE: Results of photoelectric observations of zodiagal light	
SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 4, 1965, 777-780	٠
TOPIC TAGS: zodiacal light, photoelectric property ABSTRACT: Measurements of the brightness of zodiacal light were made at	
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DIVARI, N.B.; KRYLOVA, S.N.; MOROZ, V.I.

Polarization measurements of zodiacal light. Geomag. i aer. 4 no.5: 881-885 S-0 '64. (MIRA 17:11)

1. Odesskiy politekhnicheskiy institut.

KRYLOVA, S.P.

Dispersion properties of three-dimensional periodic structures.
Uch. zap. Novosib. gos. ped. inst. no.18:27-30 '63.

(MIRA 17:10)

· ACTION TO THE THE PROPERTY AND THE PR 57-9-17/40 Kabin, S.P. Mikhaylov, C.P., AUTHORS Krylova, T.A. On Dielectric and Mechanical Losses in Low-Pressure TITLE Polyethylene. (O dielektricheskikh i mekhanicheskikh poteryakh polietilena nizkogo davleniya) Zhurnal Tekhn. Fis., 1957, Vol. 27, Mr 9, pp. 2050-2055 PERIODICAL (USSR) The results obtained by experimental investigation are given. It is shown that tgo of the dielectric losses within ABSTRACT the temperature range of from -110 + + 120°C and at frequencies of from 1.5 to 10 kc passes through two maximum domains. A comparison is drawn with the analogous rules for high-pressure polyethylene, and it is shown that the two types of relaxation losses in the case of lowpressure polyethylene belong to the high- and lowfrequency relaxation types. Measurements of mechanical losses carried out by the ultrasonic method in dependence on te: _-rature at a frequency of 2 kc proved the existence of only a high frequency relation. Summarizing, it is stated that the following two types of relaxation losses exist: CARD 1/2

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57-9-17/40

On Dielectric and Mechanical Losses in Low-Pressure Polyethylene.

1) High frequency losses reflecting the thermal motion of macromolecule components, and

2) losses, which reflect the thermal motion of macro-molecule parts.

It is assumed that the latter are closely connected with

the orystalline degree of the polymer.

There are 4 figures and 9 Slavio references.

ASSOCIATION: Leningrad Polytechnic Institute imeni M.I. Kalinin.

(Leningradskiy politekhnicheskiy institut imeni M.I.

Kalinina.)

SUBMITTED: March 11, 1957.

AVAILABLE: Library of Congress.

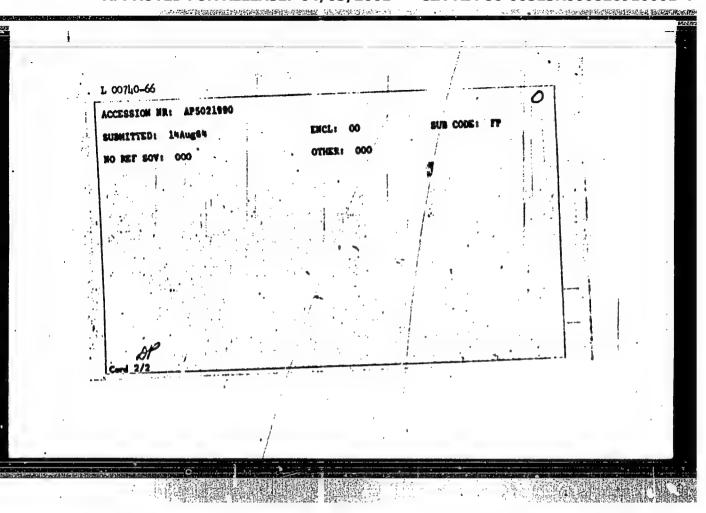
CARD 2/2

DUBROVITSKAYA, N.I.; KEYLOVA, T.A.; FURST, G.G.

Some biological characteristics of banana in greenhouses. Biul. glav.bot.sada no.43:63-71 '61. (MIRA 15:2)

1. Glavnyy botanicheskiy sad AN SSSR. (Banana)

	O7LO-66 ENT(m)/EPT(c)/T B ESSION NR: APS021990	W/DJ UR/0286/65	/000/014/0065/0065	
AUT Ser (Gya	HOR: Garganov, G. Ye.; Vinneriyenko, V. G. 11 Petyakina, V. Salana, F. Ye.; Shames, F. Ye.;	Salmov. H. I.; Granar, A.	77	
TO AB	TLE: A method for producing URCE: Byulleten' isobreteni; PIC TAGS: hydraulic fluid, particular this Author's Certicular based on petroleum produces is improved by using a value a viscosity of less than 2	petroleum product ficate introduces a method f cts. The efficiency of the elosite distillate with a fl 200 centistokes at -40°C.	or producing hydraulic fluid at low tempera- ash point of 115-120°C	
to E	SSOCIATION: Nauchno-issledov ekhnicheskoy pomoshchi (Scien ation and Technical Assistance rd 1/2		Organisation, Nechani-	
	•			



APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000826910001-4"

KRYLOVA, T.B.; BUYEVSKOY A.V. [deceased]; DMITRIYEVA, O.A.

Effect of lignosulfonates on the biochemical processing of sulfite liquor. Gidroliz. i lesokhim. prom. 17 no.6:3-4 '64. (MIRA 17:12)

1. Leningradskaya lesotekhnicheskaya akademiya im. S.M. Kirova.

KRYLOVA, T.B.; EUYEVSKOY, A.V. [deceased]; DMITRIYEVA, O.A.

Effect of the concentration of lignin sulfonate on the frothing capacity of a solution during flotation of distiller's yeasts.

Gidroliz. i lesokhim. prom. 17 no.3:5-7 164.

(MIRA 17:9)

1. Leningradskaya lesotekhnicheskaya akademiya im. S.M. Kirova.

KRYLOVA, T.F., fel'dsher

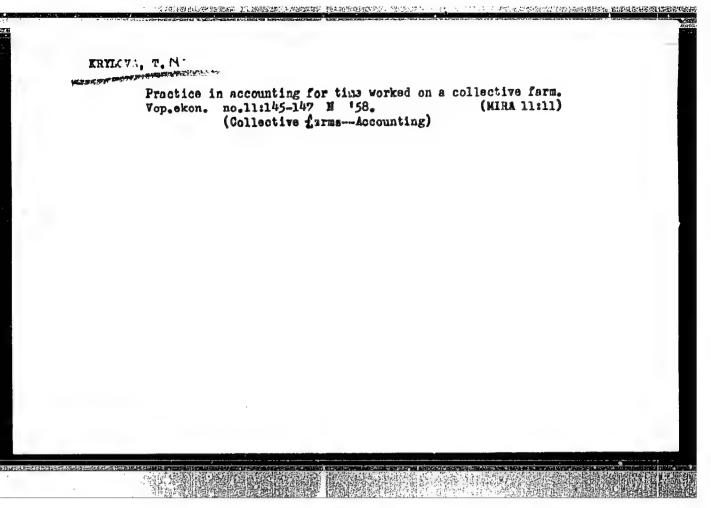
Work of the collective farm milk kitchen. Zdravookhranenie 3 no.1:60-61 Ja-F '60. (MIRA 13:6)

1. Zaveduyushchaya molochnoy kukhney kolkhosa "Moldova Suchialiste", sela Yaloveny Kotovskogo rayona. (IMFAMTS--NUTRITION)

ERYLOVA, T., nauchnyy sotrudnik

Bookkeeping on an hourly basis. Hauka i pored. op. v sel'khoz.
8 no.9:10-11 S '58. (MIRA 11:10)

1. Institut ekonomiki AN SSSR. (Collective farms-Accounting)



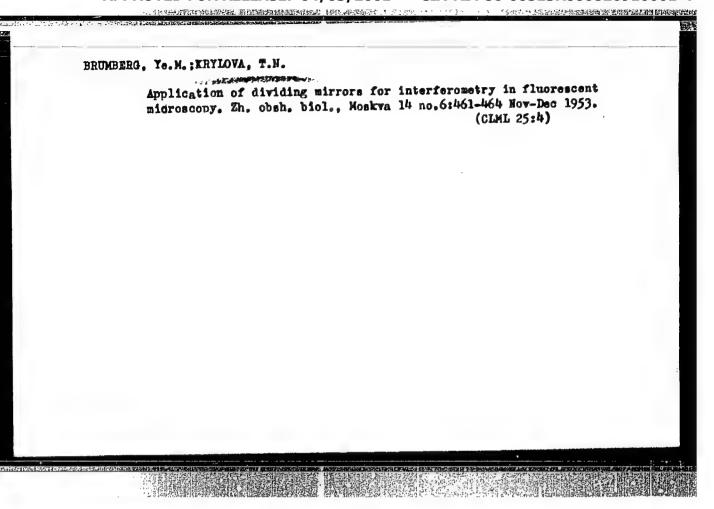
65 [[6] 化美国,自身运动。对程序的数据在数据运动中,建筑器化工程的对外。

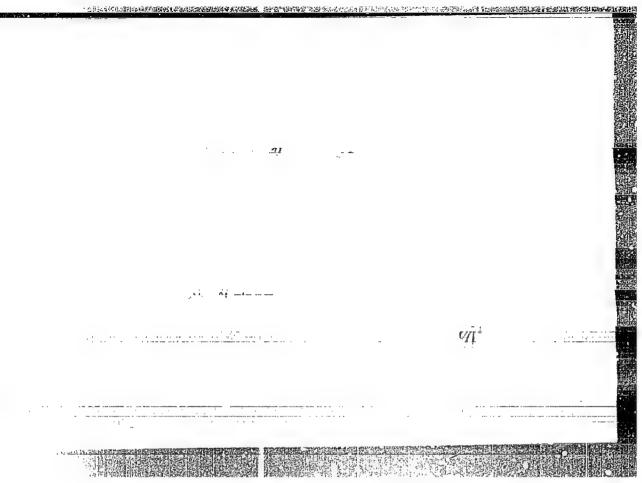
LAPTEV, I.D, starshiy naushnyy sotr.; BUYANOV, P.S., starshiy nauchnyy sotr.; KASSIROV, L.N., starshiy nauchnyy sotr.; TERYAYEVA, A.P., starshiy nauchnyy sotr.; SUVOROVA, L.I., starshiy nauchnyy sotr.; SEMIN, S.I., starshiy nauchnyy sotr.; Prinimali uchastiye: ARKHIPOV, A.I., mladshiy nauchnyy sotr.; VAZYULYA, P.F., mladshiy nauchnyy sotr.; KARIYUK, I.Ya., mladshiy nauchnyy sotr.; KARIYUK, I.Ya., mladshiy nauchnyy sotr.; KHYLOVA, T.N., mladshiy nauchnyy sotr.; KHYLOVA, T.N., mladshiy nauchnyy sotr.; CHISTOV, G.N., mladshiy nauchnyy sotr.; POTAPOV, Kh.Ye., red.; GERASIEOVA, Ye.S., tekhn. red.

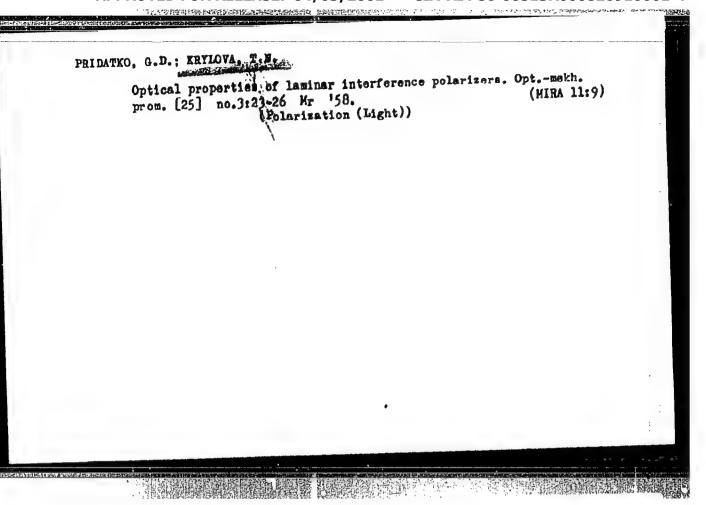
[Communal funds of collective farms and the distribution of collective farm income] Obshchestvennye fondy kolkhozov i raspredelenie kolkhoznykh dokhodov. Moskva, Izd-vo ekon. lit-ry, 1961. 386 p. (MIRA 15:3)

1. Akademiya nauk SSSR. Institut ekonomiki. 2. Sektor ekonomiki sel'skogo khozyaystva Instituta ekonomiki Akademii nauk SSSR (for Laptev, Buyanov, Kassirov, Teryayeva, Suvorova, Sidorova, Semin).

(Collective farms-Income distribution)







51-4-2-12/28

AUTHOR:

Krylova, T. N.

TITIE:

Multilayer Dielectric Coatings with a High Reflection Coefficient on the Surface of Glass. (Mnogosloynyye dielektricheskiye pakrytiya s vysokim koeffitsiyantom otrazheniya na poverkhnosti stekla.)

PERIODICAL: Optika i Spektroskopiya, 1958, Vol.IV, Nr.2, pp.217-224 (USSR).

ABSTRACT:

Calculations were carried out of spectral curves of the reflection coefficient of multilayer coatings covering Then multilayer coatings were prepared glass surface. and their spectral characteristics measured. Calculations were carried out graphically and almost all results were checked by an analytic method proposed by Vlasov (Ref.10). The main difference between the values obtained graphically and those calculated using Vlasov's method occur at extrema of the reflection coefficient, particularly at maxima. Fig.1 gives the results of the analytic method (continuous curves) and the approximate graphical method (dashed curves) for the reflection coefficient on glass covered by: (1) one layer with a refractive index 2.2.

Card 1/4

and (2) three layers with refractive indices 2.2, 1.45

51-4-2-12/28

Multilayer Dielectric Coatings with a High Reflection Coefficient on the Surface of Glass.

Graphs were obtained (Figs. 2 and 3) for threeand 2.2. layer and eleven-layer coatings (with the refractive indices 2.2 and 1.45) on glass with the refractive index For convenience in use the graphs were recalculated and are shown in Fig. 4 as dependences of the reflection coefficient on phase angle for one, three, five, seven, nine and eleven layers respectively (curves 1-6). A table on p.221 gives the results of calculation of the maximum values of the reflection coefficient of glasses coated with from one to eleven layers. table shows that the properties of the glass substrate affect strongly the one-layer coating but are not important in five-layer and thicker coatings. Calculations of the reflection coefficient curves for glass with multilayer coatings show that positions of the main reflection maxima correspond to wavelengths for which the optical thickness of one layer is an odd multiple of one quarter of the wavelength, i.e. they correspond to phase angles of 1800, 5400 etc. The number of secondary maxima which occur between the main

Card 2/4

51-4 -2-12/20

Multilayer Dielectric Coatings with a High Reflection Coefficient on the Surface of Glass.

maxima, is equal to n - 1 for a coating consisting of n layers. The equality of heights of the secondary maxima on both sides of the main maximum is a sensitive criterion of uniformity of thickness of the layers composing the coating. Multilayer coatings consisting of up to eleven layers were prepared from titanium and silicon dioxidos by deposition from alcohol solutions of ethyl esters of orthotitanic and orthosilicic acids with subsequent drying at 350°C. The refractive indices of titanium and silicon dioxides are 2.2 and 1.44-1.45 respectively. Figs.5-7 show the reflection coefficient of Glass covered with three, seven and eleven layers of titanium and silicon dioxides (these two oxides are deposited alternately one on top of the other). The coattinuous curves are calculated graphically and points (circles) were obtained experimentally. These figures show satisfactory agreement of experimental and calculated The differences between the calculated and curves. experimental curves are ascribed to non-uniformity of thickness of the layers deposited. Layers with

Card 3/4

51- 4-2-12/23

Multilayer Dielectric Coatings with a High Reflection Coefficient on the Surface of Glass.

1000-2000 Å optical thickness can be reproduced by deposition under identical conditions with an accuracy of +50 Å. This makes it possible to obtain the reflection coefficient curves with reproducibility of 100-200 Å. The coatings made of titanium and silicon dioxides were found to be stable and resistant under rubbing and cleaning with organic solvents. There are 7 figures, 1 table and 20 references, of which 5 are Soviet, 5 Shijlish, 4 American, 3 French, 5 German, 1 Usech and one other.

ASSCCIATION: State Optical Institute ineni S.I. Vavilov. (Gos. opticheskiy institut in. S.I. Vavilova.)

SUBLIFIED: April 19, 1957.

1. Dielectric coatings-Spectrographic analysis 2. Glass-Reflection properties-Effects of dielectric coatings 3. Dielectric coatings-Reflection properties

Card 4/4

SOV/51-6-6-11/34

24(4) AUTHOR:

Krylova T.Hemmed

TITLE:

Interference Light-Filters Made of Multilayer Dielectrics (Interferentsionnyye svetofil'try iz mnogosloynykh dielektrikov)

PERIODICAL: Optika i spektroskopiya, 1959, Vol 6, Nr 6, pp 784-787 (USSR)

ARS TRACT:

The author has shown (Ref 8, that coatings of alternating layers of titanium dioxide and silicon dioxide (prepared from alcohol solutions of easily hydrolysed ethyl esters of orthotitanic and orthosilisic acids) increase reflection from glass surfaces from 4% to 90% and higher in the spectral region from 380 to 1200 mm. Such coatings are stable and mechanically strong. These coatings can be used to prepare interference filters with narrow transmission bands. One such filter, consisting of fifteen layers, is shown in Fig 1. It is made up of a coating of seven alternating layers of titanium dioxide and silicon dioxide, of optical thickness $\lambda/4$ each, a layer of silicon dioxide of optical thickness $\lambda/2$, and a second seven-layer coating identical with the first. The optical thickness of the layers determines the region in which the transmission band occurs. Fig 1 shows the transmission coefficients of filters with seven layers (curve 1), eleven layers (curve 2) and fifteen layers (curve 3). The fifteen-layer filter passes up to 18% of light in the region of 530 mus its transmission band half-width is 10 mp. In the regions of 500 and

card 1/3

SOV/51-6-6-11/34

Interference Light-Filters Made of Multilayer Dielectrics

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600 mm curve 3 has a background of about 2% but beyond these regions (in both directions) the transmission coefficient rises sharply to reach secondary maxima. These secondary maxima are eliminated by additional filters of coloured glass. Other filters with narrow additional filters of coloured glass. Other filters with narrow transmission bands in the region 380-600 mm were prepared from 7-layer coatings and had properties similar to those represented by curve 3 of coatings and had properties of such filters are shown in Fig 2 and Fig 1. Transmission properties of such filters are shown in Fig 2 and the table on p 786; the transmission-band width is seen to increase with the wavelength at which this band occurs. The author prepared also a the wavelength at which this band occurs. The author prepared also a filter in which the intermediate layer was a dielectric with a high refractive index (titanium dioxide) placed between two coatings consisting of six layers each. The transmission curve of such a filter is shown in Fig 3 (curve 4). The filter passes from 80% of light in the region of 700 mm; its transmission half-width is 28 mm and the background outside the transmission band is 8-10%. Coloured glass KS17 and multi-outside the transmission band is 8-10%. Coloured glass KS17 and multi-

Card 2/3

Interference Light-Filters Made of Kultilayer Dielectrics

SOV/51-6-6-11/34

maxima and lower the background of this filter. The final filter (Fig 3, curve 5) passes 56% of light (transmission half-width 23 mm, background of the order of 0.1%). Filters for longer wavelengths were made of two 5-layer coatings with a separating layer of silicon dioxide. To decrease the background two identical filters were used together; their transmission is shown by curve 6 in Fig 3. Such a filter passes more than 80% light in the region of 850 mm (transmission half-width 35 mm, background 2-5%). In conjunction with coloured glass FS7 and KS15 the latter filter has a transmission of 50%, with a negligible background and a transmission half-width of 30 mm (Fig 3 curve 7). There are 3 figures, 1 table and 9 references, 2 of which are Soviet, 1 French, 2 English, 3 German and 1 Danish.

SURMITTED: June 11, 1958

Card 3/3

SOV/51-6-6-12/34

24(4) JIHORS:

Sokolova, R.S. and Krylova, T.N.

TITLE:

Interference Filters for the Ultraviolet Region c' the Spectrum (Interferentsionnyye fil'try dlya ul'trafioletovoy comment spoktra)

PERIODICAL:Optika i spaktroskopiya, 1959, Vol 6, Mr 6, pp 700-791 (USSR)

ABSTRACT: The chemical method of producing coatings by deposition from easily hydrolysed solutions yields strong chemically stable films of thorium dioxide (refractive index 2.0) and silicon dioxide (refractive index 1.45) transparent in the ultraviolet region 220-400 mm. Using these films multilayer beam-splitters and interference filters with a narrow transmission band were produced. Beam-splitters for the ultraviolet region were made by alternate deposition of thorium dioxide and silicon dioxide films, of optical thickness \$\lambda/4\$, on a fused-quartz plate. A beam-splitter consisting of 11-15 layers reflects, at its maximum, 90-95% of the incident light; position of the maximum is determined by the optical thickness of the layers. Spectral characteristics of some beam-splitters are shown in Fig 1, which gives the values of the spectral transmission coefficient measured by means of a photoelectric spectrophotometer. Fig 1 shows that the width of a band with high reflection, where transmission does not exceed 5%, is of the order of $\lambda/6$

dard 1/3

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507/51-6-6-12/34

Interference Filters for the Ultraviolet Region of Spectrum

On both sides of the transmission minimum the curves rise to N8. sharply and the transmission coefficient reaches quickly values of the order of 80-90%. Using several boam-splitters, one can make filters with various properties. The interference filters for the ultraviolet region, prepared by the authors, were of two types. In filters of type I an intermediate layer of N2 thickness of silicon dioxide is placed between two 7-layer coatings consisting of alternate layers of thorium dioxide and silicen dioxide. In filters of type II an intermediate thorium dioxide layer of \(\lambda/2\) thickness is placed between two 6-layer coatings. Fig 3 shows the transmission spectra of three filters. Filter No. 2 which is of type I, transmits 72% of light in the region of 280 mu and the half-width of the transmission band is aqual to 6 mg. Filter No. 3 is of the II type: its transmission band lies in the region of 370 mm and its half-width is 12 mu: its transmission maximum is ~90%. The background in filters Nos. 2 and 3 varies between 6 and 10%. Curves 2a and 3a in Fig 3 show the transmission coefficients of the filters Nos. 2 and 3 respectively, each combined with coloured glass which removes the secondary maxima. To decrease the background in the region 300-400 mm the authors used multilayer beam-splitters described above. A combined filter No. 2 includes glass UFS-1 and four beam-splitters; its transmission maximum is now 30% and the transmission band haif-width is reduced

Card 2/3

SOV/51-6-6-12/34

Interference Filters for the Ultraviolet Region of Spectrum

to 8 mm (curve 2a in Fig 3). Filter No. 3, combined with glasses N3-1 and SZS-10, transmits 57% and its half-width is 12 mm (curve 3a in Fig 3). No glasses were available which could be used to remove the secondary maxima in the region 230-250 mm. The transmission band of a filter working in this region is shown by curve 1 in Fig 3; it transmits 27% at 230 mm and its transmission band half-width is 8 mm. The table on p 791 gives the properties of several filters with transmission bands in the region 230-400 mm. Filters of the I type work in the region 230-300 mm and those of the II type work in the region 300-400 mm. Using coloured glass and beam-splitters the background in the visible region up to 690 mm (and sometimes up to 1 μ) could be removed. Filters of alternate thorium dioxide and silicon dioxide layers were found to be stable and they did not require protection from the action of atmospheric air. There are 3 figures, 1 table and 11 references, 4 of which are Soviet, 3 English, 2 German, 1 French and 1 Dutch.

SUEMITTED: July 10, 1958

Card 3/3

84689

160 (3201, 1105, 1137) 1130 11138, 1051 243600

8/051/60/009/005/010/019

E201/E191

AUTHORS:

Krylova, T.N., and Bagdyk'yants, G.O.

TITLE:

A Study of the Optical Properties and Structure of VIitanium Dioxide Layers

PERIODICAL: Optika i spektroskopiya, 1960, Vol.9, No.5, pp 644-647 Thin layers of titanium dioxide are widely used in optics and elsewhere. Titanium dioxide occurs naturally in two crystal forms: anatase and rutile. Layers of titanium dioxide produced by hydrolysis of titanium tetrachloride or by other chemical means are usually amorphous. The present paper describes a study of the optical properties and structure of amorphous titanium dioxide layers prepared from T1(0C2H5)4 solutions. The authors measured the reflection coefficient (R) as a function of wavelength and layer thickness (0.15-1 μ) in the visible region. Curves 1 and 2 in Fig. 1 show the spectra of layers with optical thicknesses of 4300 and 3500 %. Layers which were denser in the optical sense could be prepared by successive deposition (curve 3 optical sense could be prepared by successive deposition) shows the reflection spectrum of such a composite layer). Fig. gives the dispersion curves (refractive index against wavelength) Card 1/2

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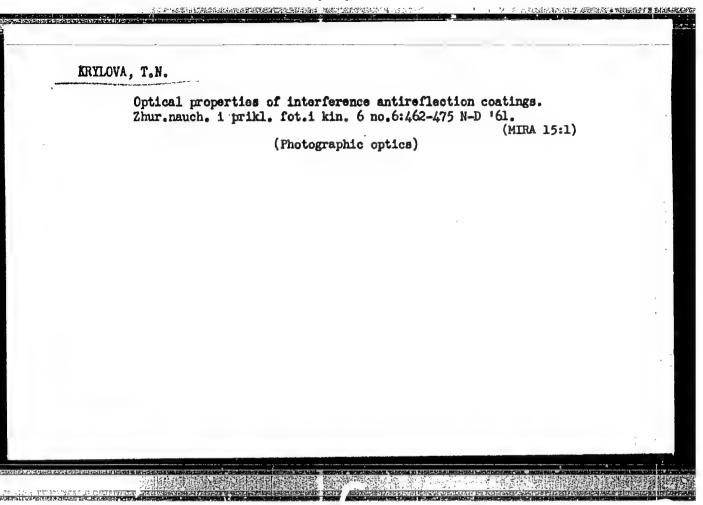
S/051/60/009/005/010/019 E201/E191

A Study of the Optical Properties and Structure of Titanium Dioxide Layers

for layers produced from dilute (curves 1 and 2) and concentrated (curve 3) sclutions. The refractive indices plotted in Fig. 2 were calculated from the reflection coefficient R. Fig. 2 gives also de Vore's (Ref. 1) and Hass's (Ref. 6) results for monocrystals of rutile and anatase (curves 4 and 5 respectively). Curve 6 represents TiClh layers dried at 300 °C. The temperature dependence (100-900 °C) of the refractive index in the 500-550 mm region (Fig. 3) and the temperature dependence of the electron-diffraction patterns (Fig. 4 and a table on page 647) show that the layers begin to crystallize as anatase at 500-350 °C. There are 4 figures, 1 table and 8 references: 5 Soviet, 2 English and 1 French.

SUBMITTED: February 27, 1960

Card 2/2



38522

s/051/62/012/006/013/020 E032/E414

24 3950

Sokolova, R.S., Krylova, T.N.

Multilayer light beam splitters consisting of layers AUTHORS:

of unequal optical thickness TITLE:

PERIODICAL: Optika i spektroskopiya, v.12, no.6, 1962, 772-778 Previous work (ONTI, 1956; Opt. i spektr., v.4, 1959, 217;

Tr. GOI, v.24, no.145, 1956, 159) has shown that the spectral curve of the reflection coefficient for a multilayer beam splitter consisting of layers of equal optical thickness contains a number of principal maxima and several secondary maxima located The secondary maxima may symmetrically relative to the latter. It is now shown that the height of these subsidiary maxima may be considerably reduced if the layers are reach 40% or more. not equal in thickness. In order to investigate this in detail the authors have computed the spectral curves for 3 to 11 layer beam-splitters consisting of alternate layers of thorium dioxide (n = 2.0) and silicon dioxide (n = 1.45) on a fused quartz base (n = 1.46). The calculations were based on the recurrence method put forward by I.V. Grebenshchikov, A.G. Vlasov and B.S. Neporent Card 1/2

S/051/62/012/006/013/020 E032/E414

Multilayer light beam ...

(Prosvetleniye optiki, GITTL. M.-L., 1946). The computed curves were then verified experimentally. It was found that the subsidiary maxima could be reduced by a factor of 4 without affecting the height of the principal maxima. The optical thickness ratios for the alternate layers which were used were 1.5:1, 2:1, and 3:1. It was found that the addition of a $\lambda/8$ layer with a low refractive index on top of the usual equalthickness beam-splitters gives rise to an effective reduction in the optical thickness of the layers with the higher refractive index. There are 7 figures.

SUBMITTED: April 21, 1961

Card 2/2

5/051/63/014/003/011/019 E039/E120

Sokolova, R.S., and Krylova, T.N. Interference polarizers for the ultraviolet region AUTHORS:

PERIODICAL: Optika i spektroskopiya, v.14, no.3, 1962, 401-405 The degree of polarization in reflected and transmitted

light is given by:

Rp, Rs, Tp and Ts are coefficients of reflection and transmission for parallel and perpendicular components. Hence for 100% polarization in reflected light the parallel where component must be sliminated, which is only possible by keeping strictly to the Brewster angle condition. Two systems are investigated: a cubic polarizer with angle of incidence of light on the coating squal to 45 , and a system of two right angled quart prisms with strict adherence to the Brewster angle condition. Card 1/2

Interference polarizers for the ... 5/051/63/014/003/011/019 E039/E120

Thorium dioxide with a refractive index n=2 and silicon dioxide n=1.45 are used to form the alternate $\lambda/4$ layers and 3, 5, 7, 9, 11 and 13 layer systems are investigated. The maximum value of reflection coefficient for the perpendicular component increases quickly with increase in number of layers and approaches unity in the 11 and 13 layer coatings. There is at the same time a broadening in the wavelength range for high reflectivity, i.e. from 20 mp for 3 layers to 90 mp for 13 layers. It is shown that polarizers possessing a high degree of polarization (>99%) can be made with a light transmission of about 40% in the range 300 - 400 mp, and about 35 - 40% in the range 250 - 300 mp. A combination of two coatings with maximum polarization in different parts of the spectrum enables a high degree of polarization to be attained in the region 250 to 400 mp.

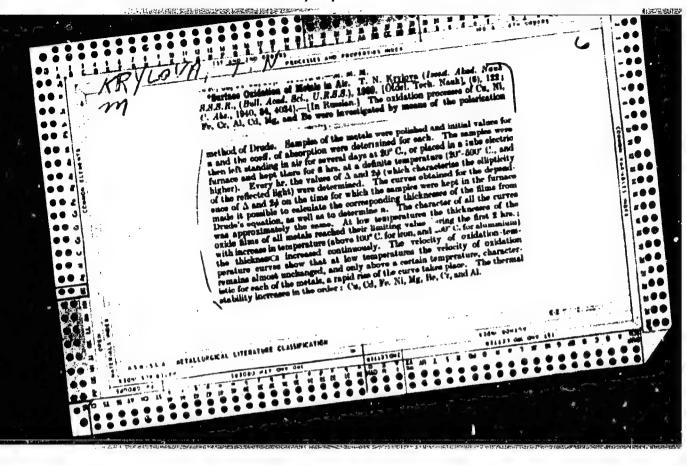
There are 7 figures and 1 table.

SUBMITTED: May 18, 1962

Card 2/2

"APPROVED FOR RELEASE: 04/03/2001

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000826910001-4

ACC NR: AP6017973

SOURCE CODE: UR/0413/66/000/010/0073/0073

INVENTORS: Baranov, V. K.; Protasov, N. N.; Krylova, T. N.; Suyetin, V. F.

ORG: none

TITLE: A method for preparing a selectively reflecting mirror. Class 32, No. 181792

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SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 10, 1966, 73

TOPIC TAGS: zinc compound, magnesium compound, nickel, chromium, titanium compound, silicon compound, mirror, radiation

ABSTRACT: This Author Certificate presents a method for preparing a selectively reflecting mirror. The method involves consecutive deposition of the interference layers of zinc sulfide and magnesium fluoride, or of titanium dioxide and silicon dioxide onto the underside of the interference layers. To absorb radiation passed by the interference coating, the metallic undercoat is previously covered with an absorbing layer of rough nickel or of rough chromium.

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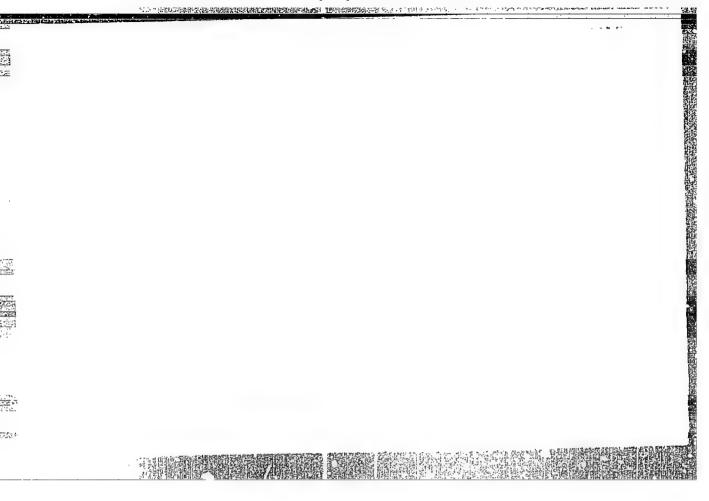
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Card 1/1

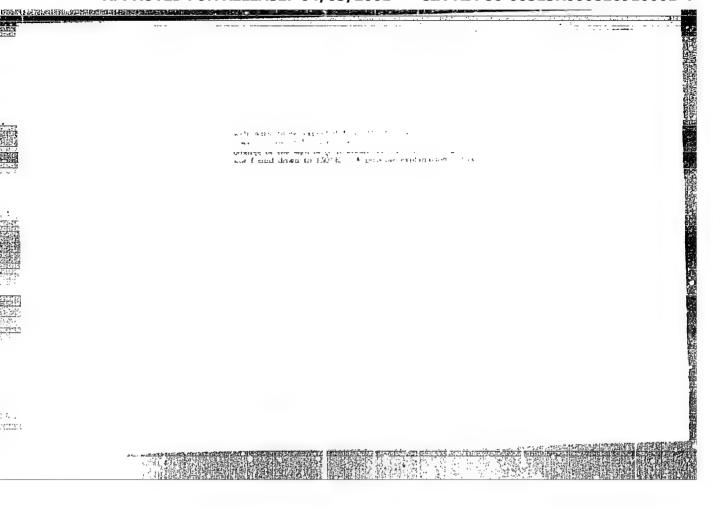
UDC: 666.1.056

KRYLOVA, T.P.

Introducing guillotine shears with a pneumatic drive. Biul. tekh.-ekon. inform. Gos. nauch.-isel. inst. nauch. i tekh. inform. 18 no.7:48-49 Jl 165. (MIRA 18:9)



"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000826910001-4



KRYLOVA, T.V. (L'vov) The functional condition of the liver in rheumatic children

treated with ACTH [with summary in English]. Problemdok. i (HIRA 11:5) gorm. 4 no.2:88-91 Mr-Ap 158

1. Iz L'vovskogo nauchno-issledovatel'skogo instituta okhrany materinstva i detstva (dir. - I.D. Yashchuk, nauchnye rukovoditeli dotesent I.M. Rudnev i kandidat biologicheskikh nauk N.A. Zemtsova).

(ACTH, therapeutic use rheum, heart dis. & rheum, fever in child, eff. on liver fusct. (Rus))

(LIVER, physiology eff. of ACTH ther. of rheum. heart dis. & rheum.

fever in child. (Rus))

(RHEUMATIC HEART DISEASE, therapy

ACTH, eff. on liver funct. in child. (Rus))

(RHEUMATIC FRVER, therapy ACTH, eff. on liver funct. in child. (Rus))

KRYLOVA, T. V., Cand Med Sci -- "Functional state of the liver in rheumatical confiden." (Min of Health UkSSR. L'vov State Med Inst) (KL, 8-51, 262)

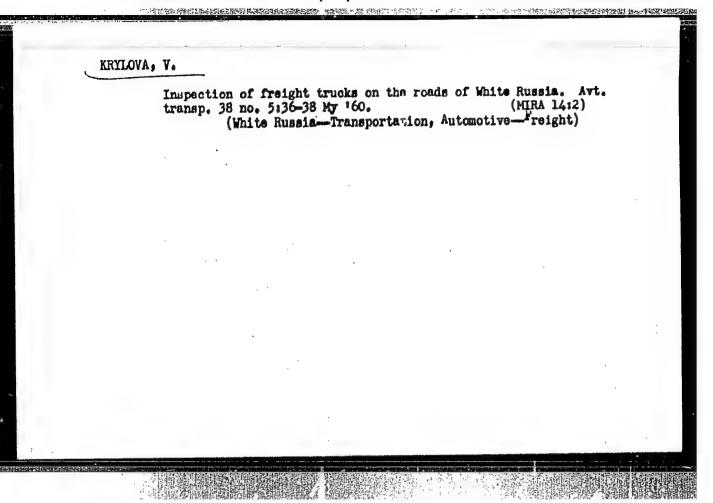
- 480 -

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000826910001-4

- 1. KRYLOVA, U. H.
- 2. USSR (600)
- 4. Leather, Artificial
- 7. How we achieved excellent work indexes. Leg. prom. no. 12, 1952

Monthly Lists of Russian Accessions, Library of Congress, March, 1953, Unclassfied.

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000826910001-4



"生"。《三句句句》的《共和版》《西安德斯 国际内部的经验的

IVANOV, I.D.; RAKHLEYEVA, Ye.Ye.; KRYLOVA, V.G.

"行业人民的政治的经验的政治的 医神经神经神经神经 医经验的现在分词

Effect of deoxyribonucleic acid and disopropyl fluorophosphate on the polarographic wave of subtilisin. Dokl. AN SSSR 146 no.4:941-944 0 '62. (MIRA 15:11)

1. Institut biokhimii im. A.N. Bakha AN SSSR.
Predstavleno akademikom A.I. Oparinym.
 (Subtilisin) (Nucleic acids) (Phosphates) (Polarography)

biokhim. shur. 34 no.5:678-687 162.

IVANOV, I.D.; RAKHLEYEVA, Ya.Ye.; KRYLOVA, V.G. Polarography of typsin in the presence of a substratum and an inhibitor during irradiation with ultraviolet light. Ukr. (HIRA 16:4)

> 1. Institut biokhimii im. A.N. Bakha AN SSSR. (POLAROGRAPHY) (ULTRAVIOLET RAYS) (TRYPSIN)

CIA-RDP86-00513R000826910001-4" APPROVED FOR RELEASE: 04/03/2001

对"你们"目别随时的有着"是某国际情况监狱法"。 经营业公司

(1) 15. 为一字字中的基础的字部的图像的形式的图像 Investoring Andrews

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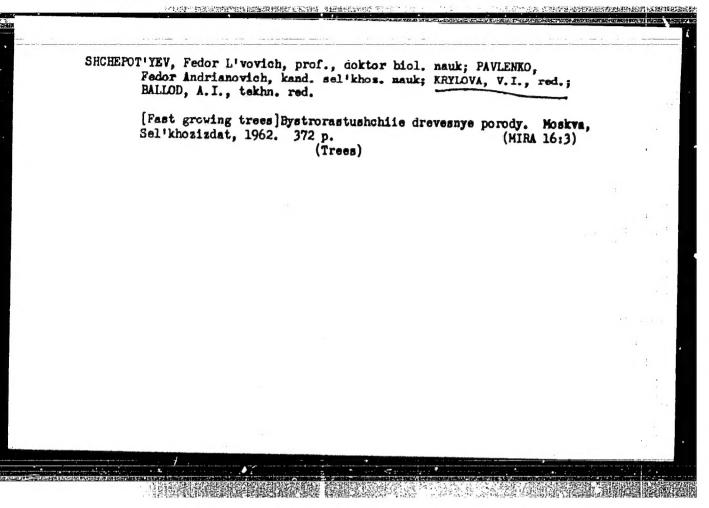
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